

Batuhan Usluel

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EDUCATION

University of Illinois at Urbana-Champaign

Bachelor of Science in Computer Science + Economics

Jan 2022 – May 2024

GPA: 3.93/4.00

Purdue University

Bachelor of Science in Computer Science

Aug 2020 – Dec 2021

GPA: 3.56/4.00

RELEVANT COURSEWORK

- Progrmg Lang & Compilers
- System Programming
- Introduction to Data Mining
- Computer System Organization
- Machine Learning
- Intro to Algs & Models of Comp

EXPERIENCE

CME Group

Chicago, IL

Software Engineer Intern

May 2023 – Aug 2023

- Designed and implemented dynamic validators to introduce flexibility in the software testing process
- Optimized application performance, achieving a drastic reduction in execution time by over 85%
- Enhanced early error detection, significantly saving developer hours previously spent on troubleshooting
- Pivoted the application to become an indispensable tool in the routine development process

Software Engineer Intern

May 2022 – Aug 2022

- Enhanced an application in Java used for real time testing of CMEs buyer seller matching engines
- Added ability to compare outputs of a known working version to a new prototype version
- Replaced periodic manual error checks with an automated alerting system
- Deployed Kafka to listen to engine and relay messages for performance and reliability logs

PROJECTS

RetailGPT | Javascript, Node.js, Express, React, Docker, AWS

June 2023 – Present

- Developed a full-stack AI-powered chatbot using GPT-4 for enhanced Shopify customer support
- Utilized vector databases to index store pages and products, enabling on-demand retrieval and presentation of relevant information
- Built a responsive frontend using React and JavaScript, ensuring an intuitive user experience
- Engineered a scalable backend with Node.js and Express, deployed and managed on AWS

App Performance Tracker | Javascript, Python

Sep 2022 – Dec 2022

- Developed a responsive and intuitive user interface using React and JavaScript, empowering app developers to track and compare their app's performance against competitors across Google Play and Apple App Stores
- Implemented real-time review tracking feature for the Play Store, enabling developers to monitor user sentiment and feedback over time, and correlating this with specific updates to their app
- Designed and implemented a Django backend, serving as a RESTful API that scrapes, processes, and delivers app performance data to the frontend

iDetect | Python

Feb 2022

- Developed "iDetect," a real-time emotion analysis application, at the iMAKE hackathon, enabling speakers in virtual meetings to gauge audience engagement by analyzing video streams
- Utilized Python's DeepFace library for facial recognition and emotion classification
- Designed and implemented data visualization components to display real-time emotion statistics via tables and graphs

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript

Frameworks: React, Node.js, Express.js, Django, JUnit, Spring

Developer Tools: Git, Docker, Google Cloud Platform, AWS, VS Code, Visual Studio, IntelliJ, Eclipse, Postman,

Libraries: Pandas, NumPy, Matplotlib, Scikit-learn, Langchain